(a) receiving a first attribute of a first input field type and a second attribute of a first output field type;

(b) creating a first optimized conversion routine based on said first attribute and said second attribute, the conversion routine including one or more computer instructions to be executed during conversion; and

(c) executing said first optimized conversion routine from said application program to convert said first input field type to said first output field type.

8. (Twice Amended) A method of converting data from input field types to output field types, said method comprising:

(a) receiving a plurality of input attributes and output attributes from an application program;

(b) dynamically creating a plurality of data field conversion routines for each set of input attributes and output attributes, the conversion routines including one or more computer instructions to be executed during conversion; and

(c) storing said plurality of data field conversion routines in memory accessible to said application program.

15. (Twice Amended) A system for dynamically generating computer data field conversion routines, said system comprising:

a processor; and

a memory device coupled to said processor;

wherein said system is adapted to receive a plurality of input attributes and output attributes from an application program; and

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